

POTUS 98/22372

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Claims:

1. The use of a composition in the preparation of a medicament for use in the treatment of pathogenic micro-organisms in a live animal, the composition comprising an atomized electro-chemically activated, anion-containing aqueous solution.
2. A composition for the preparation of a medicament for the treatment of pathogenic micro-organisms in live animals, the composition comprising an atomized electro-chemically activated anion-containing aqueous solution.
3. A method of treating pathogenic micro-organisms in a live animal, the method comprising the step of fogging the animal with a dosage of a composition comprising an atomized electro-chemically activated anion-containing solution.
4. A composition as claimed in claim 2 wherein the anion-containing aqueous solution is prepared by means of electrolysis of an aqueous solution of a salt.
5. A composition as claimed in claim 4 wherein the anion-containing solution includes species selected from the group comprising: ClO ; ClO^- ; HClO ; OH^- ; HO_2^- ; H_2O_2 ; O_3 ; $\text{S}_2\text{O}_8^{2-}$; and $\text{Cl}_2\text{O}_6^{2-}$.

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6. A composition as claimed in claim 2 wherein the anion-containing solution is produced by an electro-chemical reactor, the electro-chemical reactor comprising a through flow, electro-chemical cell having two co-axial cylindrical electrodes with a co-axial diaphragm between the electrodes so as to separate an annular inter electrode space into a catalytic and an analytic chamber.

7. A composition as claimed in claim 2 wherein the anolyte solution has a redox potential of between +600mV and +800mV and a pH of between 6.5 and 7.5.

8. A method as claimed in claim 3 wherein the fogging process comprises the step of atomizing the solution into the atmosphere in a volume to be treated, forming droplets of between 5 and 100 micrometers.

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